

CLEAN COPY OF PENDING CLAIM  
FOLLOWING THE WITHIN AMENDMENT

1. (amended) An antenna system comprising:
- 5 a first fractal antenna including a first element having a portion that includes at least a first motif definable in at least two-dimensions, and includes a first replication of said first motif, and includes a second replication of said first motif, such that a point chosen on a geometric figure represented by said first motif results in a corresponding point on said first replication and on said second replication of said first motif;
- 10 wherein replication includes at least one operation set selected from a group consisting of (a) scaling size of said first motif, (b) rotating said first motif, and (c) translating said first motif; said replication excluding a set of operations on a motif in which each operation is referenceable to a single point on said first motif;
- 15 and
- a conductive element, spaced-apart from said first fractal antenna to influence at least one of resonant frequency and bandwidth of said antenna system.

includes at least a first motif (definable) in at least two-dimensions, and includes a first replication of said first motif, and includes a second replication of said first motif, such that a point chosen on a geometric figure represented by said first motif results in a corresponding point on said first replication and on said second replication of said first motif;

wherein (replication) includes at least one operation set selected from a group consisting of (a) scaling size of said first motif, (b) rotating said first motif, and (c) translating said first motif; said replication excluding a set of operations on a motif in which each operation is referenceable to a single point on said first motif;

and

a conductive element, spaced-apart from said first fractal antenna [by a distance  $\Delta$  sufficiently small at a frequency of interest  $\lambda$  to decrease said at least one resonant frequency, to widen said bandwidth, or to cause a combination thereof] to influence at least one of resonant frequency and bandwidth of said antenna system.

\* \* \* \* \*

For the convenience of the Examiner, a clean copy of amended claim 1 is attached.

#### REMARKS

Applicants will augment the claims herein, but believe amended claim 1 is distinguishable over the art cited in the parent application(s).